

ABSTRACT

An embedded loudspeaker system is set forth incorporating at least two asymmetric enclosures having different but overlapping frequency responses in order to achieve a substantially flat frequency response. At least one of the speaker enclosures is preferably ported (bass-reflex system) to provide as much output as possible in the low-frequency range. By using a plurality of speakers at least one of which has a bass reflex enclosure, a monophonic system is provided with a flat frequency response. The dimensions of the speaker enclosures are chosen such that the anti-resonance of one loudspeaker enclosure is compensated for by the resonance of another speaker enclosure, without making use of damping, so that no "notch" appears in the frequency response of the combined system at the listening position